



# THE BLACK VAULT

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94-7

MKULTRA  
Sub-Project 44

Description	Date	Obligations	Expenditures	Balance		
Subproject 11 Invoice #1 Invoice #2	1955 1955	300000	562154 237846	100000 237846		[8/10/55] [3.1.55]
* Invoice #2 total was for two checks		1081067	43243	1124310		
		237846	1955	886464	1956	
<p><i>Account closed</i></p>						

44-2

222

6-2500-10-001

- 44 -

DATE	REMARKS AND REFERENCES	CELEBRATIONS OBSERVED	ORGANIZATIONS MEMBERSHIP	UNEMPLOYMENT BENEFITS
11 AUG 1955	Memo - Authorization #2 - Sub 44	8,864.64		8,864.64
19 SEP 1955	Invoice #2 (see note 1955)		8864.64	
	<del>Supplemented</del>			

441-3

14 July 1961

MEMORANDUM FOR: Chief, Finance Division

VIA : TSD/Budget Officer

SUBJECT : MKULTRA, Subproject 51-B, Invoice No. 12,  
Allotment 2125-1390-3902

1. Invoice No. 12 in the amount of \$10,712.00 covering the above subproject is attached. However due to a refund of \$535.57 from MKULTRA Subproject No. 44 (as per attachment) payment should be made as follows:

E. Cashier's check in the amount of \$9,764.43 drawn on a [redacted] bank.

F. Cashier's check in the amount of \$412.00 drawn on a [redacted] bank.

Both checks should be made payable to the [redacted] B

2. The checks should be forwarded to Chief, TSD/Research Branch, through TSD/Budget Officer, no later than 26 July 1961.

3. This is a final invoice. However, since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

A [redacted]  
Chief  
TSD/Research Branch

Attachment:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - TSD/FASS  
1 - Project 44 file  
2 - TSD/RB

TSD/[redacted] A

44-4

W

Net Received

\$10,712.00

... 12 ...  
51-B ...

... 51-B ...

44-5

~~SECRET~~

**CERTIFICATION**

(3) It is hereby certified that under Subproject 44 at the close of FY 1960 a balance of \$535.57 representing unused funds remained. Therefore it is requested that \$535.57 of Invoice No. 12 be credited to Subproject No. 51-B as a return of unused funds FY 8-2502-10-001, MOR 336.

~~SECRET~~

44-6

[Redacted] B

[Redacted] B

June 21, 1960

Dr. [Redacted] B

Dear Dr. [Redacted] B

I am enclosing herewith an original and one copy of the final report of expenditures for the period of April 1, 1955, through March 31, 1959, covering the grant-in-aid to Dr. [Redacted] B

Also enclosed please find a University Check No. 89104, in the amount of \$535.57 which covers the unexpended balance remaining in this account.

Very truly yours,

[Redacted Signature] B

Business Manager  
[Redacted] Colleges and Divisions B

[Redacted] B

Enclosures

cc: Dr. [Redacted] B

44-7

University of [redacted] B  
[redacted] Colleges and Divisions B  
Statement of Receipts and Expenditures B  
April 1, 1955, through March 31, 1959\*

Receipts:

Checks received during 1955	\$ 8,108.00	
Checks received during 1956	16,216.00	
Checks received during 1957	16,216.00	
Checks received during 1958	<u>8,108.00</u>	\$ 48,648.00

Expenditures:

Salaries and Wages	\$ 24,501.72	
Consumable Supplies	9,616.37	
Equipment	2,484.85	
Travel	1,055.18	
University Retirement	1,293.72	
Workmen's Compensation	351.59	
Indirect Cost	<u>8,808.00</u>	\$ 48,112.43
Balance as of March 31, 1959		\$ 535.57

[redacted] C  
Business Manager  
[redacted] Colleges and Divisions B

APPROVED:

[redacted] C  
[redacted] M. D. C

I have examined and approved the submitted expenditures.

[redacted] A  
Chief  
TSS/Chemical Division

\*Final Report

Date: 6/20/60



44-8

27 January 1960

MEMORANDUM FOR: THE RECORD

SUBJECT : Action on MKULTRA Audit Exceptions - TSS/CD

SP#44

<sup>C</sup>  
Dr. [REDACTED] has been contacted this date and an additional request made for submission of an accounting of funds since 3/31/53. We have been assured that action is being taken to comply with the request.

[REDACTED] A  
Chief  
TSS/Chemical Division

Part II

File in # 44

[Redacted]

B

44-9

May 9, 1958

B

[Redacted]

B

Dr. [Redacted]

C

B

Dear Dr. [Redacted]

C

I am enclosing herewith an original and one copy of a financial statement for the period April 1, 1955, through March 31, 1958, covering the grant-in-aid from your organization to Dr. [Redacted]

C

Very truly yours,

[Redacted Signature]

A

Business Manager  
Colleges and Divisions

A

be A  
Enc. 2

cc: Dr. [Redacted]

C

B

44-10

University of [redacted] B  
[redacted] Colleges and Divisions B  
Statement of Receipts and Expenditures B  
April 1, 1955, through March 31, 1958\*

Receipts:

Checks received during 1955	\$ 8,108.00 ✓	
Checks received during 1956	16,216.00	
Checks received during 1957	16,216.00	\$40,540.00

Expenditures:

Salaries and Wages	\$19,061.72	
Consumable supplies	6,699.64	
Equipment	2,434.65	
Travel	826.90	
University Retirement	859.51	
Workmen's Compensation	274.68	
Indirect Cost	7,750.00	<u>37,907.10</u>

Balance as of March 31, 1958 \$ 2,632.90

[redacted signature]

Business Manager  
[redacted] Colleges and Divisions B

APPROVED:

I have examined and approved the submitted expenditures.

[redacted signature] M. D. C

[redacted signature] A

Chief  
TSS/Chemical Division

Date: 4/1/59

\*Interim report

44-11

RECEIPT

I hereby acknowledge receipt of the following two checks:

Official Check No. 209-330405, drawn on [REDACTED] of E  
[REDACTED], dated April 30, 1958, in the amount of \$16,216.00,  
payable to the [REDACTED] B.

E Treasurer's Check No. FE 12418, drawn on [REDACTED] Company E  
of [REDACTED], dated April 30, 1958, in the amount of \$648.64,  
payable to the [REDACTED] B.

[REDACTED] C

Date: 6 May 58




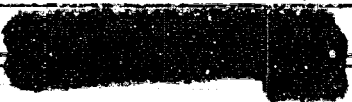
44-12

NO. 336

F. 2502-10-001

ALLOTMENT

Sub. #1

DATE	REMARKS AND REFERENCES	OBLIGATIONS INCURRED	OBLIGATIONS LIQUIDATED	CUMULATIVE EXPEND.
6 AUG 1957	Authorization 12 Aug	\$ 16,864.64		16,864.64
24 APR 1958	Invoice # 5		16,864.64	-
		24 APR 1958 Lif		
	350405 CHECK # [REDACTED] IN THE AMOUNT OF \$16,716 RECEIVED. 5 MAY 1958	E		
		C		
	 CHECK # 61214 IN THE AMOUNT OF \$ 442.04 RECEIVED. 5 MAY 1958	F		
		C		

44-13

21 April 1958

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : MCOLTRA, Subproject 44, Invoice #5,  
Allotment 8-2502-10-001

1. Invoice No. 5 for the above subproject is attached.  
Payment should be made as follows:

Cashier's check in the amount of \$16,216.00,  
drawn on a [redacted] bank, E

Cashier's check in the amount of \$648.64,  
drawn on [redacted] bank. E

Both checks should be made payable to the [redacted] B

2. Please forward the checks to Chief, TSS/Chemical  
Division, through TSS/Budget Officer, no later than Monday  
12 May 1958.

3. This invoice represents the total amount currently  
authorized under Subproject 56. However, since it is antici-  
pated that additional funds will be obligated for this project,  
the files should not be closed.

[redacted] A  
Chief  
TSS/Chemical Division

Attachments:  
Invoice and Certifications

Distribution:  
Orig & 2 - Addressee  
✓ 1 - TSS/FASB  
2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE  
ORGANIZATION: [redacted] 336  
CHARGE TO ALLIANCE: [redacted] F-2503-10-001  
AUTHORITY: [redacted]

~~X~~

44-14

INVOICE

For services

\$16,864.64

[REDACTED]

B

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 5 applying to Subproject 44 of MKULTRA, that performance is satisfactory, that services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject 44 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

44-15

12 August 1957

MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT : Project SKULTRA, Subproject 44

Under the authority granted in the Memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 44 has been approved, and \$16,864.64 of the over-all project SKULTRA funds has been obligated to cover the subproject's expenses and should be charged to Allotment 8-2502-10-001.

 A  
Acting Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

Original signed by  A

Research Director

COPIES TO BE MADE  
336  
8-2502-10-001

Date 16 AUG 1957

Distribution:

Orig & 2 - Addressee

- 1 - TSS/OC
- 1 - TSS/FASB
- 1 - TSS/SRB
- 2 - TSS/CD

~~SECRET~~

H/C  
SRB  
1500  
10/26/57



44-110

~~SECRET~~

12 August 1957

MEMORANDUM FOR: COMPTROLLER

ATTENTION : Finance Division

SUBJECT : Project MKULTRA, Subproject 44

Under the authority granted in the Memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda, Subproject 44 has been approved, and \$16,861.64 of the over-all project MKULTRA funds has been obligated to cover the subproject's expenses and should be charged to Allotment 8-2502-10-001.

~~SECRET~~ A  
Acting Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

\_\_\_\_\_  
Research Director

Date \_\_\_\_\_

Distributions:  
Orig & 2 - Addressee

- 1 - TSS/CC
- 1 - TSS/FASB
- 1 - TSS/SRB
- 2 - TSS/CD

~~SECRET~~

~~WARNING NOTICE~~  
~~SENSITIVE INTELLIGENCE~~  
~~SOURCES AND METHODS INVOLVED~~

TOP SECRET  
CONFIDENTIAL  
13 AUGUST 1957

DRAFT  
13 August 1957

44-17

MEMORANDUM FOR: THE RECORDS CL BY 13 AUG 1957

SUBJECT : Project MKULTRA, Subproject 44

1. The purpose of this subproject is to continue the research being carried out by Professor [redacted] of the University of [redacted] B  
This work is aimed at the design of laboratory methods for screening psychochemical materials. These methods can then be the basis for procedures to be carried out in other TSS/CD laboratories on a classified basis.

2. During the past year the goal of this project was the perfection and testing of two specific assay methods related to the above problem. This goal was adequately reached and in addition a considerable amount of incidental information was accumulated which has added to the general knowledge of materials which affect the central nervous system.

B 3. The funds for this project will be transferred using the [redacted] as a cut-out in the usual manner.

4. The total cost of this program for a period of one year beginning 1 July 1957 will be \$16,216.00. To this must be added a four percent (4%) service charge to the [redacted] for its services. B  
The total cost for the above period will thus not exceed \$16,864.64.

5. [redacted] has requested the University to submit to them a summary accounting of monies received from the Fund. Also, they requested the return of any unexpended funds received under a grant from the Fund at the end of the program. B

6. Title to any permanent equipment purchased by funds granted the University [redacted] shall be retained by the University in lieu of higher overhead rates. B

7. It is agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform to the accepted practices of that Institution.

Attachments:  
Proposal  
Budget

[redacted] D  
Acting Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

[redacted] A  
Research Director

Date Aug 16 - 1957

Distribution: Orig. only.

~~Declassified to: CONFIDENTIAL~~  
~~by authority of: [redacted]~~  
~~date: June 1987~~

12 IMPDET; CL BY 13 AUG 1957

UNIVERSITY OF

44-18

DEPARTMENT OF

June 11, 1957

Dr.

Dear Dr.

Thank you for your kind reminder, over the telephone, last week in asking me for a request in the renewal of our grant for another year beginning July 1, 1957.

A progress report of the project during the academic year 1956 - 1957 is appended.

The general plan of our research for the coming year consists in further perfection of methodology and in the examination by our new methods of a large number of important agents with potential effects on behavior. This research is not supported by other sources.

Our request is again for the same sum of \$16,216.00. The proposed budget plan is as follows:




Salaries (Research Assistants and Technicians)	10,000
Equipment	500
Expendable Supplies	2,037
Travel	600




~~WARNING NOTICE~~  
~~SENSITIVE INTELLIGENCE~~  
~~SOURCES AND METHODS INVOLVED~~

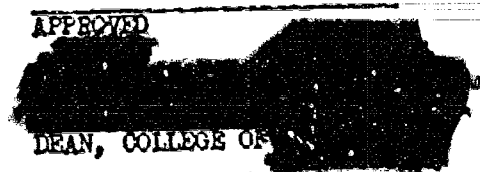
Workmen's Compensation	150
Employer's Contribution to Retirement System	813
University Overhead or Indirect Costs 15%	2,116
Total	\$16,216.00

I shall be grateful if your Foundation will support our project for another year.

Sincerely yours,

 <sup>c</sup>  
 M. D. <sup>B</sup>  
Professor of   
and Head of the Department  
Principal Investigator

 <sup>c</sup>  
 <sup>c</sup>  
HEAD OF THE DEPARTMENT  
 <sup>c</sup>  
BUDGET APPROVED BY

APPROVED  
 <sup>c</sup>  
DEAN, COLLEGE OF

~~WARNING NOTICE~~  
~~SENSITIVE INTELLIGENCE~~  
~~SOURCES AND METHODS INVOLVED~~

A/H-19

RECEIPT

I hereby acknowledge receipt of the following two checks:

E  
Cashier's check No. DM 37787, drawn on [redacted] E  
[redacted] dated September 14, 1956, B  
in the amount of \$10,810.67, payable to the [redacted] B  
[redacted] B

E  
Cashier's check No. A105603, drawn on the [redacted] E  
[redacted] dated September 17, B  
1956, in the amount of \$432.43, payable to the [redacted] B  
[redacted] B

[redacted] C

Date:

20 Sept. '56

10 September 1956

44-20

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: MKULTRA Subproject 44  
Invoice No. 4, Allotment 6-2502-10-001

1. Invoice No. 4 for the above subproject is attached. Payment should be made as follows:

- E Cashier's check in the amount of \$10,810.67, drawn on a [redacted] bank,
- E Cashier's check in the amount of \$432.43, drawn on a [redacted] bank.

Both checks should be made payable to the [redacted] B

2. Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Monday, 1 October 1956.

3. This is a final invoice. A total of \$10,864.64 was obligated under this subproject during FY 56. However since it is anticipated that additional funds will be obligated for this project, the files should not be closed.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller  
✓ 1 - TSS/FASB  
2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE  
OBLIGATION REFERENCE NO. 2582  
CHARGE TO APPROPRIATION NO. 6-2502-10-001

AUTHORIZING OFFICER

CHECK # 27787 THE AMOUNT OF \$10,810.67  
RECEIVED 18 SEP 1956

TSS/ [redacted] (10 September 1956)

CHECK # 105603 THE AMOUNT OF \$432.43  
RECEIVED 18 SEP 1956

HAND CARRIED

[redacted] A

44-20

**INVOICE**

For services

\$11,243.10

[REDACTED]

**CERTIFICATIONS**

(1) It is hereby certified that this is Invoice No. 4 applying to Subproject 44 of MKULTRA, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject 44 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

[REDACTED]

F 44

44-21

Receipt is hereby acknowledged of the following two checks:

E Cashier's Check No. DM 36875, dated July 11, 1956, drawn on the [redacted], in the amount of \$5,405.33, payable to the [redacted] B

Official Check No. G 9586, dated July 12, 1956, drawn on the [redacted] E, in the amount of \$216.21, payable to the [redacted] Inc. B

Date 17 July 56 C

Q

Q

Receipt is hereby acknowledged of the following two checks:

E Cashier's Check No. DM 36875, dated July 11, 1956, drawn on the [redacted], in the amount of \$5,405.33, payable to the [redacted] B

Official Check No. G 9586, dated July 12, 1956, drawn on the [redacted] E, in the amount of \$216.21, payable to the [redacted] B

Date 17 July 56 C



~~SECRET~~

44-72

3 July 1956

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA: TSS/Budget Officer

SUBJECT: MKULTRA Subproject 44  
Invoice No. 3, Allotment 6-2502-10-001

1. Invoice No. 3 for the above subproject is attached. Payment should be made as follows:

E Cashier's check in the amount of \$5,405.33, drawn on a [redacted] bank.

E Cashier's check in the amount of \$216.21, drawn on a [redacted] bank.

Both checks should be made payable to the [redacted] B  
[redacted] Other invoices will follow later.

2. Please forward the checks to Chief, TSS/Chemical Division through TSS/Budget Officer by Wednesday, 13 July 1956.

[redacted] A

Acting Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications  
(Orig & 1)

Distribution:

- Orig & 2 - Addressee
- 1 - Comptroller
- ✓ 1 - FASB/TSS
- 2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE: 5 JUL 1956  
OBLIGATION REFERENCE NO. 2582  
CHARGE TO ALLOTMENT NO. 6-2502-10-001

CHECK # 9586 IN THE AMOUNT OF \$216.21  
RECEIVED 16 JUL 1956 E

TSS/CD: [redacted] (3 July 1956) A

CHECK # 2436279 IN THE AMOUNT OF \$5,405.33  
RECEIVED 16 JUL 1956 C

~~SECRET~~

44-22

~~SECRET~~

INVOICE

For services

\$5,621.54

 B

---

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 3 applying to Subproject 44 of MKULTRA, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Acting Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject 44 of MKULTRA which was duly approved, and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

~~SECRET~~

44-23

2582

6-2502-10-001

44

REVENUE

DATE	DEBITS AND RETIREMENTS	COMMISSIONS INCURRED	SELLING EXPENSES	CUMULATIVE BALANCE
20 JUN 1958	memo dtd 25 Jun	16,864.64		16,864.64
5 JUL 1958	Invoice # 3		5,621.54	11,243.10
11 SEP 1958	Invoice # 4 (10,816.64 432.43)		11,243.10	
<u>Lige</u>				

SECRET

23 June 1956

44-24

MEMORANDUM FOR: COMPTROLLER

ATTENTION: Finance Division

SUBJECT: MKULTHA, Subproject 44,  
Additional Authorization No. 3

1. Under the authority granted in the memorandum dated 13 April 1953, from the DCI to the DD/A and the extension of this authority in subsequent memoranda, Subproject 44 was previously approved. Under the same authority an additional sum of \$16,864.64 has been authorized to cover the subproject's expenses (thereby bringing to a total of \$23,139.38 funds obligated during FY 56), to be charged to Allotment 6-2502-10-001.

[Redacted Signature] A  
Acting Chief  
TSS/Chemical Division

APPROVED FOR OBLIGATION  
OF FUNDS:

Original signed by [Redacted Signature] A  
20 JUN 1956  
Research Director

I CERTIFY THAT FUNDS ARE AVAILABLE;  
OBLIGATION ACCORDING TO [Redacted] 2582  
CHARGE TO [Redacted] 6-2502-10-001  
AUTHORIZING OFFICER

Date:

Distribution:  
Orig & 2 - Addressee

- 1 - TSS/OC [ ]
- ✓ 1 - TSS/FASB
- 1 - TSS/SRB
- 2/ TSS/CD [Redacted] 22

TSS/CD [Redacted] (25 June 1956) A  
[Redacted]

~~CONFIDENTIAL~~  
by authority of [redacted]  
date: June 1977  
~~TOP SECRET~~

~~TOP SECRET~~

DRAFT/HWB/aca  
25 June 1956

44-25

MEMORANDUM FOR: THE RECORD

SUBJECT: Project MKULTRA, Subproject 44

1. The purpose of this project is to provide funds for the continued partial support of Professor [redacted] work on [redacted] at the [redacted] laboratories. The solution to the problem of assay methods of this type is of paramount importance to a considerable area of the work going on in TSS/CD. The lack of adequate methods of this kind has proved to be a bottleneck in the synthetic chemical field as well as in that of the extraction of botanical sources across the board.

2. In addition to being eminently qualified to pursue this study, Professor [redacted] specialized knowledge in the field of curarizing agents and his up-to-date knowledge of [redacted] laboratories and personnel has been of great value to the Agency in the past.

3. The physical facilities made available by this project are as follows:

1. The complete pharmacology testing laboratories of the [redacted]

2. A ward with subjects for human testing at [redacted]

3. The use of equipment and consultations with personnel in other medical departments at the [redacted]

4. The funds for this project will be transferred using the [redacted] as a cut-out in the usual manner.

5. The total cost of this program for a period of one year beginning 1 July 1956 will be \$16, 216. 00. To this must be added a four percent (4%) service charge to the [redacted] for its

Downgraded to: ~~CONFIDENTIAL~~  
by authority of [redacted]  
date: June 1977  
E2:AMPDET; CL [redacted]

441-25

services. The total cost for the above period will thus not exceed \$16,864.64.

6. The ~~\_\_\_\_\_~~ as requested the University to submit to them a summary accounting of monies received from the Fund. Also, they requested the return of any unexpended funds received under a grant from the Fund at the end of the program. B

7. Title to any permanent equipment purchased by funds granted the University School of ~~\_\_\_\_\_~~ shall be retained by the University in lieu of higher overhead rates. B

8. It is agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform to the accepted practices of that Institution.

9. It is agreed that technical reports reflecting the progress of the research program should be submitted at mutually acceptable intervals.

10. ~~\_\_\_\_\_~~ is cleared TOP SECRET by the Agency and is aware of the sensitive nature of the work.

~~\_\_\_\_\_~~ A  
Acting Chief  
TSS/Chemical Division

Attachments:  
Proposal \_\_\_\_\_  
Budget \_\_\_\_\_

APPROVED FOR OBLIGATION  
OF FUNDS:

~~\_\_\_\_\_~~ A  
Research Director

Date: *June 26, 1976*

Distribution:  
Original only ~~\_\_\_\_\_~~

44-25

PROPOSAL

The results of the first year's work in this research program indicate that it is quite possible to design methods whereby chemical compounds having certain types of psychomimetic effects can be detected without recourse to human testing except as the final confirmation. In order to do this it is, of course, necessary to determine first in model compounds of known potency those measurable peripheral effects which are related to the desired psychomimetic effect most directly. In other words, a given chemical grouping in a molecule may be responsible for certain peripheral reactions due to its presence in the peripheral circulation and yet be responsible also for a vastly different effect in the central nervous system due to the different metabolic processes responsible for the characteristic activity of the different types of tissue. Very few chemical compounds are known which produce only one kind of effect in the animal body. Compounds which produce the desired psychomimetic effect are no exception to this and in general seem to have a relatively wide spectrum of other effects on the animal. Since we are not at present able to measure psychological changes in animals with any degree of certainty we are limited to measurement of changes in those aspects of central nervous system activity which are reflected in the periphery or to purely peripheral effects of the chemical compound.

Two quite different families of problems emerge from a consideration of these facts. First of all, the detailed pharmacology of a number of materials having the desired activity has to be assembled, either from the literature or by determination. Once this information is at hand an analysis of the relationships between the various measurable effects coupled with the knowledge of how such effects are produced can lead to hypotheses about the relationship between various peripheral and central nervous system effects. These hypotheses can then be tested by experiment to indicate which measurable peripheral effect or group of effects is most likely to be an accurate measure of the psychomimetic effect. We are also faced here by the fact that we must determine whether a given compound has access to the body area of interest in addition to possessing the proper configuration to produce a psychomimetic effect once it gets there. This latter question is brought about by the existence of the blood-brain barrier which denies access to the central nervous system to many peripherally active compounds and possibly on the basis of chemical groups quite unrelated to those responsible for the compound's activity. Therefore, in order to make a useful screening technique we must not only measure activity but also the ability to cross this barrier with ease.

The work so far has indicated that chemical groups which alter the action of the body temperature regulating center in a specific way seem also to possess the desired psychomimetic activity and such a test appears to have certain practical advantages from a laboratory point of view. Several other workable tests involving small animals such as the measurement of total body activity may also be useful indices of psychomimetic activity.

In the course of the work this year we have tested a number of compounds of a completely different chemical nature from the known psychomimetic agents. The animal tests indicate that these compounds may be psychomimetic in man. During the coming year we propose to complete the work on the screening techniques so far developed and put them on a basis that will make them useful as routine laboratory test procedures. Also, we shall continue work with the new agents, carrying them to human test to verify their psychomimetic activity. In addition, we will continue to test other series of compounds available to us as candidate agents in this area and those compounds submitted by the [redacted] for evaluation.

B

**WARNING NOTICE**

**SENSITIVE INTELLIGENCE  
SOURCES AND METHODS INVOLVED**



BUDGET

44-25

<u>ITEM</u>	<u>AMOUNT</u>	<u>TOTAL</u>
Salaries:		
Principal Investigators - Drs. [REDACTED] (charged to University) c		
Research Associate - (Dr. [REDACTED]) c	\$6,000.00	
Graduate Student	<u>1,600.00</u>	\$ 7,600.00
Equipment and Supplies		4,200.00
Travel and Other Expenses		800.00
Workman's Compensation on \$7,600.00 @ 1.5%		114.00
Retirement on \$2,000.00 @ 7.79%		<u>156.00</u>
	Subtotal	\$12,870.00
Indirect Cost @ 26% of Subtotal		<u>3,346.00</u>
	TOTAL	\$16,216.00

~~WARNING NOTICE~~

~~SENSITIVE INTELLIGENCE~~

~~SOURCES AND METHODS INVOLVED~~

44-26

RECEIPT

I hereby acknowledge receipt of the following checks:

E F [redacted] Official Check #10209528 dated 22 Sept 55,  
in the amount of \$33,667.00,

E F [redacted] Cashier's Check #1014122 dated 22 Sept 55,  
in the amount of \$10,810.67,

E F [redacted] Cashier's Check #1014123, dated 22 Sep 55,  
in the amount of \$432.43,

all three payable to the [redacted] B

[redacted] C

Date: September 28, 1955

#44

~~SECRET~~

44-27

16 September 1955

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : MULLHA Subproject 44, Invoice #2  
Allotment 5-2502-10-001 & 6-2502-10-001

1. Invoice #2 is attached covering the above subproject. This is a final invoice. It is requested that payment be made as follows:

One cashier's check in the amount of \$10,810.67, and a second check for \$432.43, both drawn on [redacted] bank and payable to the [redacted] [redacted] E  
B

2. Both checks should be forwarded to Chief, TSS/CD, through TSS/Budget Officer no later than 30 September 1955.

3. These two invoices covering this subproject aggregate \$16,864.64 and make use of the FY 55 funds obligated under this subproject plus the FY 56 funds obligated to date. Since it is expected that additional obligations of funds under this subproject involving current Fiscal Year funds will be made, the files on this project should not be closed.

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments:  
Invoice & Certifications

Distribution:  
Orig & 2 - Addressee  
1 - Comptroller  
1 - TSS/FASB  
2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE:

OBIGATION REFERENCE No. # 222  
5-2502-10-001/2378  
CHARGE TO ALLOTMENT No. 6-2502-10-001 8864

TSS/CD [redacted] (13 September 1955) E

CHECK # 4122 IN THE AMOUNT OF \$14,000.67  
RECEIVED 27 SEP 1955

AUTHORIZING OFFICER

[redacted]

~~SECRET~~

44-27

INVOICE

For services

\$11,243.10

B



CERTIFICATIONS

(1) It is hereby certified that this is Invoice #2 applying to Subproject 44 of MKULTRA, that performance is satisfactory, that the services are being accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts is on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Chief, TSS/Chemical Division

Date:

(2) It is hereby certified that this invoice applies to Subproject 44 under MKULTRA which was duly approved and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DGI to the DD/A, and the extension of this authority in subsequent memoranda.

Research Director

Date:

~~SECRET~~

44-28

9 August 1955

MEMORANDUM FOR: CONTROLLER

ATTENTION : Finance Division

SUBJECT : MKULBA, Subproject 44, Additional  
 Authorization No. 2

Under the authority granted in the memorandum dated 13 April 1953 from the DCI to the ED/A, and the extension of this authority in subsequent memoranda, Subproject 44 was previously approved. Under the same authority an additional sum of \$3,864.64 has been authorized to cover the subproject's expenses, (thereby bringing to a total of \$3,864.64 funds obligated during FY 56) to be charged to Allotment 6-2502-10-001.

APPROVED FOR  
 OBLIGATION OF FUNDS:

SIDNEY GOTTLIEB  
 Chief  
 TSS/Chemical Division

Research Director

Date:

Distribution:

Orig & 2 - Addressee

- 1 - TSS/OC
- 1 - TSS/FASB
- 1 - TSS/SRB
- 2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE:

OBLIGATION REFERENCE No. 222

CHARGE TO ALLOTMENT No. 6-2502-10-001

11 AUG 1955

AUTHORIZING OFFICER

[Redacted]

A

~~SECRET~~

~~SECRET~~

28 July 1955

44-29

MEMORANDUM FOR: THE RECORD

SUBJECT : Addendum to Subproject 44

1. The purpose of this addendum is to set forth the mutual administrative responsibilities of the contractor and sponsor.

C.2. The above subproject represents the research program of Dr. [REDACTED] B  
financed by MKULTRA, covering the period of 25 April 1955 through 31 March 1956.

3. The [REDACTED] B has requested the University to submit to them a summary accounting of monies received from the Fund. Also, they requested the return of any unexpended funds received under a grant from the Fund.

4. Title to any permanent equipment purchased by funds granted the University, School of [REDACTED] B shall be retained by the University in lieu of higher overhead rates.

5. It was mutually agreed that documentation and accounting for travel expenses which are reimbursable by the University shall conform with the accepted practices of that Institution.

6. It was agreed that technical reports reflecting the progress of the research program shall be submitted at mutually acceptable intervals.

*Sidney Gottlieb*  
SIDNEY GOTTLIEB

Chief  
TSS/Chemical Division

APPROVED:

[REDACTED]

Chief, TSS

Distribution:  
Orig & 1 - TSS/CD

~~SECRET~~

[REDACTED] A

44-30

CERTIFICATE

UNA

I hereby certify receipt of Cashier's Check No. FE4633, in the amount of \$5405.33, drawn on the [REDACTED]

[REDACTED] payable to the [REDACTED]

[REDACTED]

[REDACTED]

F

B

C

Date: April 14<sup>th</sup> 1955

# 44

44-31

MEMORANDUM RECEIPT

APR 13 1955

DATE

TO:

FROM:

SUBJECT:

*Invoice #1  
Subject 44*

I hereby acknowledge receipt of the following:

*ECJ*  
~~XXXXXXXXXX~~

CHECK # EE-433 IN THE AMOUNT OF \$ 515.33  
RECEIVED.

Please return \_\_\_\_\_ signed copy(ies) of this receipt

~~XXXXXXXXXX~~

RECEIVED BY \_\_\_\_\_

DATE RECEIVED \_\_\_\_\_

To \_\_\_\_\_  
FORM NO. 36-68  
MAR 1949



44-32

# 44

CERTIFICATE

I hereby certify receipt of Cashier's Check No. UML1788, in the  
amount of \$216.21, drawn on the [REDACTED] payable  
to [REDACTED]

73

E

[REDACTED]

C

Date: April 14<sup>th</sup> 1954

44-33

MEMORANDUM RECEIPT

DATE

TO:

FROM:

SUBJECT:

*Invoice #1  
Subpage 44*

I hereby acknowledge receipt of the following:

*[Redacted]*

*F*  
CHECK # *1177* IN THE AMOUNT OF \$ *216.21*  
RECEIVED.

Please return \_\_\_\_\_ signed copy(ies) of this receipt

*[Redacted]*

AGENT

VED

To \_\_\_\_\_  
FORM NO. 36-68  
MAR 1949

~~SECRET~~

44-34

1 April 1955

MEMORANDUM FOR: CHIEF, FINANCE DIVISION

VIA : TSS/Budget Officer

SUBJECT : Project MKULTRA, Subproject No. 44  
Invoice #1, Allotment 5-2502-10-001

Invoice No. 1 for Subproject 44 of Project MKULTRA is attached. Other invoices will follow later. It is requested that payment be made by two cashiers checks, one in the amount of \$5,405.33, and one for \$216.21, payable to the [REDACTED]. The checks should be sent to Chief, TCS/CD through TSS/Budget Officer by Wednesday, 6 April 1955.

B

SIDNEY GOTTLIEB  
Chief  
TSS/Chemical Division

Attachments  
Invoice & Certifications

Distributions:  
Orig & 2 - Addressee  
1 - Comptroller  
1 - TSS/FASB  
2 - TSS/CD

CHECK # FE 4633 IN THE AMOUNT OF \$ 5405.33  
RECEIVED. APR 13 1955

CHECK # 4 1188 IN THE AMOUNT OF \$ 216.21  
RECEIVED. APR 14 1955

I CERTIFY THAT FUNDS ARE AVAILABLE:

OBLIGATION REFERENCE NO. 185

CHARGE TO ALLOTMENT NO. 5-2502-10-001

4 APR ENT  
AUTHORIZING OFFICER

~~SECRET~~

~~SECRET~~

44-34

INVOICE NO. 1

31 March 1955

For services.....\$5,621.54

~~XXXXXXXXXXXXXXXXXXXX~~  
~~XXXXXXXXXXXXXXXXXXXX~~

B

CERTIFICATIONS

(1) It is hereby certified that this is Invoice No. 1 applying to Subproject 44 of Project MKULTRA, that performance was satisfactory, that the services were accomplished in accordance with mutual agreements, that a detailed agenda of the payments and receipts are on file in TSS/CD, that this bill is just and correct and that payment thereof has not yet been made.

Date: \_\_\_\_\_

SIDNEY GOTTLIEB  
Chief, TSS/CD

(2) It is hereby certified that this invoice applies to Subproject 44 under Project MKULTRA which was duly approved and that the project is being carried out in accordance with the memorandum dated 13 April 1953 from the DCI to the DD/A, and the extension of this authority in subsequent memoranda.

Date: \_\_\_\_\_

~~XXXXXXXXXXXXXXXXXXXX~~  
Research Director

A

~~SECRET~~

~~SECRET~~

44-35

22 March 1955

MEMORANDUM FOR: CONTROLLER  
 ATTENTION : Finance Division  
 SUBJECT : Project HEVLIRA, Subproject 44

Under the authority granted in the Memorandum dated 13 April 1953 from the DCI to the DO/A, and the extension of this authority in subsequent memoranda, Subproject 44 has been approved, and \$3,000.00 of the over-all project HEVLIRA funds has been obligated to cover the subproject's expenses and should be charged to Allotment 5-2502-10-001.

SIDNEY GOTTLIBS  
 Chief  
 TSS/Chemical Division

APPROVED FOR OBLIGATION  
 OF FUNDS:

~~\_\_\_\_\_~~  
 Research Director  
 Date: MAR 13 1955

Distributions:

Orig & 2 - Addressees

- 1 - TSS/OC
- 1 - TSS/FASB
- 1 - TSS/SRB
- 2 - TSS/CD

I CERTIFY THAT FUNDS ARE AVAILABLE; A

OBLIGATION REFERENCE No. 176

CHARGE TO ALLOTMENT No. 5-2502-10-001

1 APR ENTD

AUTHORIZING OFFICER

~~SECRET~~

44-36

UNCLASSIFIED      CONFIDENTIAL      SECRET  
(SENDER WILL CIRCLE CLASSIFICATION TOP AND BOTTOM)

CENTRAL INTELLIGENCE AGENCY  
OFFICIAL ROUTING SLIP

TO		INITIALS	DATE
1	TSS/OC	A	11/28
2	TSS/CD		
3			
4			
5			
FROM		INITIALS	DATE
1	TSS/CD	A	11/28
2			
3			

- APPROVAL       INFORMATION       SIGNATURE
- ACTION       DIRECT REPLY       RETURN
- COMMENT       PREPARATION OF REPLY       DISPATCH
- CONCURRENCE       RECOMMENDATION       FILE

Remarks:

CONFIDENTIAL

UNCLASSIFIED

Downgraded to: ~~CONFIDENTIAL~~  
by authority of: ~~105-106~~  
date: ~~June 1977~~

~~TOP SECRET~~

44-37

~~TOP SECRET; CL BY 105-106~~

DRAFT/ ~~TOP SECRET~~ A  
22 March 1955

MEMORANDUM FOR: THE RECORD

SUBJECT : Project MKULTRA, Subproject 44

1. The purpose of this project is to provide funds for the study of the pharmacodynamics of derivative and homologues of hydrogenated aromatic amines.

2. The attached proposal indicates the extent of the investigations that will be carried out in these facilities available at the ~~██~~. B

3. The funds for this project will be transferred using the ~~██~~ as a cut-out in the usual manner. B

4. The cost of this program for a period of one year will be \$16,216.00. To this must be added a four percent (4%) service charge to the ~~██~~ for its services. The total cost for the above period will thus not exceed \$16,864.64. At the present time, the sum of \$8,000.00, representing \$7,680.00 to the ~~██~~ plus \$320.00 fee to the ~~██~~ is being committed. The balance of the total will be committed at a later date. B

5. Both Dr. ~~██████████~~ and Dr. ~~██████████~~ are cleared TOP SECRET C by the Agency and are aware of the sensitive nature of this work.

~~██~~ A  
TSS/Chemical Division

APPROVED FOR OBLIGATION OF FUNDS:

APPROVED:

~~██~~ A

~~██~~ A

for Research Director

for Chief, TSS/Chemical Division

Date: 24 Mar 55

APPROVED FOR ADDITIONAL APPROPRIATION OF \$8,864.64

Attachment: Proposal

~~██~~ A  
Research Director

Downgraded to: Original Only.  
~~CONFIDENTIAL~~  
by authority of: ~~105-106~~  
date: ~~June 1977~~

Date: 10 August 1955

~~TOP SECRET; CL BY 105-106~~

44-38

DEPARTMENT OF

January 28, 1955

Dr. [REDACTED] C

Dear Dr. [REDACTED] C

Enclosed is a research proposal concerned with the investigation of the pharmacological properties of aromatic amines. The cost of the project is estimated at \$16,216.00 for the duration of one year.

This proposal is submitted in duplicate to you and your board of directors. I hope that your board will pass favorably on this application.

Sincerely yours,

[REDACTED] M. D.  
Professor of [REDACTED] C

Approved: [REDACTED] C  
[REDACTED] M.D.  
Dean, College [REDACTED]

[REDACTED] C  
Enclosures - 2

Downgraded to: CONFIDENTIAL  
by authority of: 187475  
date: June 1977

IMPDET; CL BY 187475

~~WARNING NOTICE~~  
~~SENSITIVE INTELLIGENCE~~  
~~SOURCES AND METHODS INVOLVED~~



A. GENERAL STATEMENT REQUESTING CONSIDERATION OF PROPOSAL

It is requested that the [REDACTED] consider a proposal for their support of a project concerned with the investigation of the pharmacological properties of certain aromatic amines which possess sympathomimetic activity. B

B. BRIEF REVIEW OF SCIENTIFIC BACKGROUND OF PROPOSED INVESTIGATION

It is generally considered, today, that the responses and physical adjustments of an organism to an environmental stress consist of two phases which occur in sequence. The first phase of rapid adjustment is conceived to be mediated through the autonomic nervous system; the second phase of adjustment to chronic stress is believed to mediate chiefly through the pituitary-adrenal system.

Although the majority of sympathomimetic amines which have been studied pharmacologically have been derivatives of alkylamines, recent studies have indicated that a variety of non-aliphatic amines exist in the mammalian body and possess significant physiological activity. Two examples of such non-aliphatic compounds may be mentioned: Adrenoxine, a metabolic product of epinephrine, and 5-hydroxytryptamine or serotonin, a substituted heterocyclic amine. Both adrenoxine and serotonin possess a physiological activity analogous to that of epinephrine.

Beta-tetrahydronaphthylamine is a prototype of a series of compounds first synthesized by Stern in 1888 which possess significant sympathomimetic activity, but which are not ethanalamines. One major difference between the actions of tetrahydronaphthylamines and those of the ethanalamines is that the actions of the former are not antagonized by ergotamine, nor are they potentiated by cocaine. (Bouckaert, J. J., and Heymans, C., Arch. Int. Pharmacodyn., 35:137, 1929.) Perhaps because the most obvious effects of tetrahydronaphthylamines are on body temperature, few studies of their general pharmacological actions, and specifically their sympathomimetic activity, have been made since the classic study of Jonescu in 1909.

C. TECHNICAL DESCRIPTION OF THE PROPOSED WORK

1. Objectives:

It is proposed that the pharmacodynamics of a series of derivatives and homologues of beta-tetrahydronaphthylamine be studied. The pattern of studies would be arranged to meet the following objectives:

- a) The evaluation of the pharmacological effects of a series of such compounds. Particular attention would be paid to general toxicity (potency) and the effects of the compounds on the cardiovascular system in particular, and on smooth muscle, in general.
- b) An attempt to relate the chemical structures of such compounds to their biological effects and their potencies in producing the effects. The chemical structure of the compounds under study would also be related, if possible, to the chemical structures of substances with similar biological activity.

Upgraded to: CONFIDENTIAL  
authority 7475  
date June 1951

~~WARNING NOTICE~~  
SENSITIVE INFORMATION

- e) The potentiation and the antagonism of the effects of the compounds under study will be investigated in the light of the actions of the same synergists and antagonists on the biological activity of the naturally occurring ethanol amines. The biological interaction of the compounds to be studied and the sympathomimetic ethanol amines will be investigated, as well as the ability of the derivatives of tetrahydronaphthylamine to modify the responses of the autonomic nervous system to stress.

## 2. Methods:

The methods to be employed will include studies of toxicity of the compounds, their effects on the cardiovascular system in situ and the effects on smooth muscle containing organs - such as the ileum, and uterus - in situ and in vitro, and such special studies, using specialized techniques, as may seem necessary (such special studies might include electrophysiological techniques for the study of skin temperature changes, central nervous system activity, activity of autonomic ganglia, etc.)

## D. DESCRIPTION OF FACILITIES AVAILABLE FOR PERFORMING THE CONTEMPLATED WORK

Laboratory space and facilities for research on cardiovascular system including heart-lung preparations; facilities for smooth muscle work in vitro and in vivo. Facilities for toxicologic research. Facilities for electrophysiologic research on the central and autonomic system, including electroencephalography, isolated nerve potentials, oscillography, stereotoxic instrument, etc.

## E. NAMES OF PRINCIPAL INVESTIGATOR AND PROFESSIONAL ASSOCIATES

~~REDACTED~~ M.D. C

~~REDACTED~~, M.S., M.D. C

~~REDACTED~~.S., M.D. C

F. ESTIMATED DURATION OF PROJECT AND YEARLY BUDGET BREAKDOWN

It is estimated that the duration of the project will be about one year.  
An estimated budget for a year of such research would be:

<u>ITEM</u>	<u>AMOUNT</u>	<u>TOTAL</u>
<b>Salaries</b>		
Principle Investigator (Charged to University)		
Graduate Student	\$3600.00	
Neuropharmacologist, 3 months at \$500 per month	1500.00	
Research Pharmacologist, 5 months at \$500/month	<u>2500.00</u>	
		\$7600.00
<b>Equipment and Supplies</b>		
Including animals, drugs, etc.		4200.00
<b>Travel and Other Expenses</b>		
		800.00
<b>Workman's Compensation on \$7600.00 at 1.5%</b>		
		114.00
<b>Retirement on \$2000.00 at 7.79%</b>		
		<u>156.00</u>
	Subtotal	12,870.00
<b>Indirect Cost at 26% of Subtotal</b>		
		<u>3,346.00</u>
	<b>TOTAL</b>	<b>\$16,216.00</b>

Participation by the [redacted] will include the salary of the principle investigator, routine clerical help, laboratory space and utilities (including laboratory equipment for studies in experimental pharmacology and neuropharmacology). B

Declassified to: CONFIDENTIAL  
by authority of: 87-16  
Date: June 1977  
E2 10-054: CL R 18475

~~WARNING NOTICE~~  
~~SENSITIVE INTELLIGENCE~~  
~~SOURCES AND METHODS INVOLVE~~

42-39

OB

**AGREEMENT FOR COOPERATIVE INVESTIGATION**

ARTICLES OF AGREEMENT between the Board of Trustees of the [redacted] Party of the First Part, hereinafter called the University, and

(Enter here name and address of second party to this agreement, using corporate or other legal title.)

Party of the Second Part, hereinafter called the Sponsor, for a cooperative investigation described as follows:

the investigation to be carried out by the University in the Department(s) of: [redacted]

one of its research agencies, under the terms and conditions specified herein.

(1) This agreement is executed for the following period: [redacted]

with the understanding that it may be extended for additional periods under the same terms or such other terms as may be mutually agreed upon; provided that the Sponsor shall request such extension in writing not less than thirty (30) days before this original agreement expires. The University reserves the right to decline to extend this agreement beyond the expiration date if the scientific or scholarly results realized or reasonably anticipated do not in the judgment of its officials warrant continuation of the program.

(2) The conduct of the investigation shall be under the full control of the University which will supervise and direct all experimental work and the computation and reduction of all results obtained, together with the placing of these data into form for presentation.

(3) The University will furnish the necessary space for this investigation, together with heat, light, power, and water. In addition, it will permit the use of such laboratory apparatus and experimental facilities as it may possess which are not in use for other purposes. It is agreed, however, that apparatus, equipment, and other facilities not available in the laboratories of the University, and all materials and supplies required in the investigation shall be purchased from and charged against the funds for this investigation provided by the Sponsor.

44-39

(9) The Sponsor agrees to pay the University the sum of investigation, such payments to be according to the following schedule:

to cover the expenses of this

(All checks should be drawn payable to the \_\_\_\_\_ For projects on the \_\_\_\_\_ campus, remittance should be sent to the Bursar, \_\_\_\_\_. For projects carried on in the Colleges of \_\_\_\_\_, remittance should be sent to the Business Manager, \_\_\_\_\_.

B

B

B

IT IS UNDERSTOOD AND AGREED THAT the payment of the above sum as stipulated is conditioned upon the conduct of the investigation by the University with due diligence so as to secure the greatest possible progress consistent with the nature of the work.

(10) This agreement is subject to the applicable constitutional and statutory provisions of the State of \_\_\_\_\_

B

IN WITNESS WHEREOF, the authorized officers of the respective parties have hereunto set their hands and the seals of the parties, this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_

APPROVED FOR THE UNIVERSITY BY:

B

\_\_\_\_\_  
Head of Department (Date)  
\_\_\_\_\_  
Dean or Director (Date)  
\_\_\_\_\_  
Legal Counsel (Date)  
\_\_\_\_\_  
Bursar/Business Manager (Date)  
\_\_\_\_\_  
For the President (Date)

THE BOARD OF TRUSTEES OF THE \_\_\_\_\_  
PARTY OF THE FIRST PART  
By \_\_\_\_\_  
Comptroller  
By \_\_\_\_\_  
Secretary  
\_\_\_\_\_  
Party of the Second Part  
By \_\_\_\_\_  
By \_\_\_\_\_

(4) All records of the investigation are to be the property of the University and the Sponsor. The original records shall be kept on file by the University, but copies of all such records shall be furnished the Sponsor or his duly authorized representative on request. The University shall have the exclusive right to publish at its discretion the results of the investigation in the form of a bulletin or bulletins, or otherwise. No account of a cooperative research project or reprints of scientific articles resulting from the investigation shall be published by the Sponsor or by any other agency, except upon approval of the division of the University or head of the department in which the work is being done.

Prior to such publication, no publicity shall be given to any of the results of the investigation except upon the recommendation or with the approval of the University and the Sponsor, unless the scientific value of a discovery made during the course of the investigation be such that, in the judgment of the University, the public interest requires prompt release or publication thereof. The publication, if any, shall contain a description of the investigation and a report of the results and conclusions; full credit shall be given the Sponsor and every person and agency having made a significant contribution to the results obtained.

It is agreed that under no circumstances will the Sponsor state or imply in any publication or other published announcement that the University has tested or approved any manufactured product, manufactured, sold, or distributed under a specific brand, name, or trademark. It is also agreed by the Sponsor that it will not under any circumstances use the name of the University in any advertisement, whether with reference to the cooperative agreement or any other matter, without the prior approval of the University.

(5) Authorized representatives of the Sponsor shall at all times have access to the data secured and results computed from the investigation, subject, however, to the restrictions named in Article 4. The University will submit such reports of progress to the Sponsor as may seem desirable. An advisory committee may be named by the parties to consist of such persons and have such duties as may be mutually agreed upon.

(6) It is agreed that all results of experimental work of this investigation, including patentable discoveries, carried on under the direction of the scientific staff of the University, belong to the University and to the public and shall be used and controlled so as to produce the greatest benefits to the public.

It is agreed that if patentable discoveries grow out of the investigation and such discoveries have commercial value, the Sponsor, upon payment of the entire cost of securing a patent, shall be given free use of the patent as a non-exclusive licensee, it being agreed that other licensees shall pay the University a royalty which in the opinion of the University is fair to the Sponsor and to the public.

The Sponsor shall notify the University in writing whether it will pay the costs of filing an application and procuring a patent on any discoveries which may be patentable within sixty (60) days from the date when the University gives the Sponsor notice of any such discovery. In case the Sponsor does not wish to assume the expense of securing a patent, the University may, in its discretion, do so, and the Sponsor shall be given a non-exclusive license on substantially similar terms as other licensees.

(7) All technical, clerical, and other personnel necessary for the effective prosecution of this investigation shall be employed by the University and paid from funds provided by the Sponsor. Such personnel shall be employees of the University during their employment in this investigation and shall in all respects be subject to the rules and regulations of the University governing staff members and employees.

(8) The money contributed for this investigation shall be held as a special fund and shall be so carried on the books of the University. Disbursements from this fund shall be made only for this investigation for the following purposes: (a) Compensation for personal services (b) Materials and supplies (c) Equipment (d) Communication and travel (e) Employer's contribution to University Retirement System for retirement, disability, and death benefits for participating employees (f) Reserve for liability under Workmen's Compensation Act (1 1/2% of item a) (g) Other costs directly attributable to the project (h) Partial reimbursements for indirect costs of the University attributable to the contract ( \_\_\_\_\_ % of \_\_\_\_\_ ). Such payments will be approved by officers of the University in immediate or supervisory charge of the investigation.

INVOICE STATE SUMMARY

44-40

MEPLRA Subproject 44

Date of Original Authorization	Period Covered	Funds Extended to	Allotment Number	Amount of Utilization
24 Mar 55	1 year		5-2502-12-001	16,864.64 (8,000.00 - 3/2/55) (8,864.64 - 9/9/55)

Additional Authorizations	Period Covered	Funds Extended to	Allotment Number	Amount of Collection
Autho # 2	1 yr	July 57	6-2502-10-001	16,864.64

Invoice No.	Date	Amount	Balance
1	4/1/55	5,621.54	11,243.10
2	9/1/55	11,243.10	0
3	3 July 56	5,621.54	11,243.10
4	10 3/4 56	11,243.10	0
5	21 APR 1958	16,864.64	<del>11,243.10</del>

11,243.10  
5,621.54  
5,621.54  
27,486.18

RAB:

CONFIDENTIAL